BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Name of the work:- Drilling of borewell Providing pipe line in Ward no. 08 Kodigehalli.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	2.00	Carrying out geophysical survey Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting gvenner or schiberger's method, including reconnaissance survey of geological formation, geophysical investigation of existing ground water in the vicinity, its quality and acceptability of the users indicating the licating the location of site, recommended depth of 1.0 mtrs in consolidated formation for proper seating of casting pipe, depth of drilling required to cover full depth of acquifer proposed to be tapped, probate yield and other information required including transportation and accessories to work site, engaging technical personal and labour required etc.,(Page.no.47, item no.9.4) PRED SR 2012-13.	No	1938.46	Rupees One Thousand Nine Hundred Thirty Eight and Forty Six Paise Only
2		Sinking borewell of 165mm dia clear using super fast Hydrolic rig of capacity 250 PSIG na above 900 CFM and abaove in all strats including over burden upto 20M. fixing of casing pipes collars and cap with necessary, cutting and threading including transportation of rig and supporting vehicles, crew charges and cost of consumbables etclm complete including yield testing at the final depth with a minimum work in on compression for an hour (excluding cost of casing pipes collars cap etc.,)(P-46,I.NO.9.1 TO 9.1.6)PRED SR 2012-13			
3	100.00	a. Upto 50.00m depth	Rmtr	315.18	Rupees Three Hundred Fifteen and Eighteen Paise Only
4	100.00	b. Above 50.00 to 100.00m depth	Rmtr	412.00	Rupees Four Hundred Twelve Only
5	100.00	c. Above 100.00 to 150.00m depth	Rmtr	458.35	Rupees Four Hundred Fifty Eight and Thirty Five Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
6	100.00	d. Above 150m to 200m depth	Rmtr	484.10	Rupees Four Hundred Eighty Four and Ten Paise Only
7	100.00	e. Above 200m to 250 m depth	Rmtr	560.32	Rupees Five Hundred Sixty and Thirty Two Paise Only
8	100.00	f. Above 250m to 300 m depth	Rmtr	600.49	Rupees Six Hundred and Forty Nine Paise Only
9	50.00	f. Above 300m to 350 m depth	Rmtr	640.66	Rupees Six Hundred Forty and Sixty Six Paise Only
10	108.00	Supplying of ISI Mark 175 mm nominal bore, Plain end steel casing pipe - grade of steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 medium black ERW casing pipe of 5mm thick black electic resistance continuous welded midle steel tube material confirming to IS 1387 / 1993 and manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end fixed with a socket and the other and with a plastic protection end (including of all taxes) (Page no.III, Item No.84)PRED SR 2012-13	Rmtr	1325.00	Rupees One Thousand Three Hundred Twenty Five Only
11	18.00	Providing and fixing 250mm dia PVC (casing pipe) (Page no.XXXI,Sl. no.909) KPWD SR 2015-16	Nos	2199.50	Rupees Two Thousand One Hundred Ninety Nine and Fifty Paise Only
12	20.00	Providing 175mm dia MS Collar (Page no.III, Item no.86) PRED SR 2012-13	Nos	150.00	Rupees One Hundred Fifty Only
13	2.00	Providing 175mm dia Bore Cap CE (M) (Page no.III, Item no.85) PRED SR 2012-13	Nos	100.00	Rupees One Hundred Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
14	2.00	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings. PAGE NO XXXXII	Unit	72126.00	Rupees Seventy Two Thousand One Hundred Twenty Six Only
15	600.00	KSRB13-3.1: Providing and fixing to wall celling and floor glavanised/ mild steel tubes (medium grade 1.27 kg /mt) B class 50 mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. (Page 90 ITEM NO 13.6)	Rm	542.72	Rupees Five Hundred Forty Two and Seventy Two Paise Only
16	1160.00	Supply and drawing 3 core flat sheathed submersible pump cable manufactured with celectrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts as per 1x3x4 sqmm of 56 strands 0.3mm dia Group A (Page no.12, item no.2.10.3) PWD Elctricla SR 2014-15 3Cx4.0Sqmm.	Rm	188.70	Rupees One Hundred Eighty Eight and Seventy Paise Only
17	100.00	Labour charges for erection of new/ repaired submersible pumpset along with gi pipes inculding transportion each length pno 558 ino 3 bwssb sr 14-15	Rm	88.00	Rupees Eighty Eight Only
18	2.00	Supplying and fixing 20"x20"x2.5" polished wood board made up not less than 15mm thick plank with front plank one end provided for olding at other end fixing the same of the valve using through bolts and nuts (P.No.44 SL.No.6.6.6) Electrical SR 2014-15	Nos	302.00	Rupees Three Hundred Two Only
19	70.00	Supplying of 1.1 KV LTUG Cable having alluminium conductor PVC insulated extruded inner sheathed , galvanized, steel strip (except 2C X 10sq.mm wire armoured) confirming to IS-3975:1990(No.of Strip indicated in GTP) & extruded PVC outer sheathed armored cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm (Page no.55, Sl.no.7.4.4) Electrical SR2014-15	Rm	140.40	Rupees One Hundred Forty and Forty Paise Only
20	70.00	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe/on wall/on poles as required. In existing trench/duct. 6 sqmm to 16sqmm (Page no.61, Sl.no.7.8.1) Electrical SR2014-15	Nos	10.80	Rupees Ten and Eighty Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
21	60.00	Digging of trenches of 0.6 x 0.50m wide refilling the trench to the required ground level and consolidating etc., compelte (Page no.61, Sl.no.7.9.2) Hard soil Electrical SR 2014-15	Rm	117.00	Rupees One Hundred Seventeen Only
22	6.00	Supplying and fixing class A (medium duty)-GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 K.V. class 40mm (P.No.62, Sl.No.7.12.1) Electrical SR2014-15	Mtr	345.00	Rupees Three Hundred Forty Five Only
23	2.00	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumin insulating compound compelte with terminals, clamps, bolts nuts and washers etc., for 16 sqmm (Page no.62, Sl.No.7.13.2) Electrical SR 2014-15	Nos	280.00	Rupees Two Hundred Eighty Only
24	2.00	Supplying and fixing wiring earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.5mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia (page no.55, Sl.no.7.1) Electrical SR2014-15	Nos	2727.00	Rupees Two Thousand Seven Hundred Twenty Seven Only
25	6.00	Supplying and fixing of procelin fuse channel with cutouts on existing wooden/panel using necessary nuts, bolts and washers. 63Amps (Page no.44,Slno.6.7.3) Electrical SR 2014-15	Each	360.00	Rupees Three Hundred Sixty Only
26	12.00	Supplying and fixing of heavy duty glands for ug cable 1.1 kv etc., complete.... P No62 I No 7.14.2 KPWD Electrical SR 2014-15	Each	86.00	Rupees Eighty Six Only
27	2.00	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 40-63Amps TPN (Page no.47 Sl.No.6.16.6) Electrical SR2014-15	Each	1547.00	Rupees One Thousand Five Hundred Forty Seven Only
28	75300.00	Fabricating supplying and mounting MS box made out 14SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrengements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.(Page no.49, Item no.6.40.1) PWD Electrical SR 2014-15	Sq cms	0.33	and Thirty Three Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
29	2.00	Providing and fixing in position 50mm nominal bore non-return valve vertical type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.(Page no.93, Item no.13.62) KPWD SR 2015-16	Nos	1409.80	Rupees One Thousand Four Hundred Nine and Eighty Paise Only
30	4.00	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. P. No.92/ I. No. 13.81.3 PWD SR	Each	222.60	Rupees Two Hundred Twenty Two and Sixty Paise Only
31	6.00	Gate value 50 mm nominal bore gun metal P. No.xxiii sl No. 673 PWD SR	Each	1398.31	Rupees One Thousand Three Hundred Ninety Eight and Thirty One Paise Only
32	2.00	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. PRED Bangalore Circle SE Approved Date 30.07.2010 15HP to 30 HP Star Delta Starter	No	10000.00	Rupees Ten Thousand Only
33	40.50	Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches, 1.5m and above in width, in ordinary soil, exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with all lead upto 50m after breaking of clods complete as per specifications.(P.No.5, I.No.2.1) PWD SR 2016-17	Cum	263.94	Rupees Two Hundred Sixty Three and Ninety Four Paise Only
34	8.10	KSRRB M2100-9. Sand Filling in Foundation Trenches as per Drawing & Technical SpecificationMORTH Specification No. 304. (P.No.217, I.No.27.17) PWD SR 2016-17	Cum	2183.60	Rupees Two Thousand One Hundred Eighty Three and Sixty Paise Only
35	90.00	KSRB13-9.3 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 50mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.2 / 13.9 (Page no.94, Item No.13.73.1) PWD SR 2016-17	Rm	249.10	Rupees Two Hundred Forty Nine and Ten Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
36	32.40	KSRB : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications allow 60% of rate considered under item.(Page No.6,Item No. 2.11) KPWD SR-2015-16	Cum	80.56	Rupees Eighty and Fifty Six Paise Only
37	8.10	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications (Page No. 155, Item No. 20.18, PWD SR 2018-19)	Cum	2001.28	Rupees Two Thousand One and Twenty Eight Paise Only
38	54.00	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 (Page No. 158, I. 21.1, PWDSR 2018-19)	Sqm	22.26	Rupees Twenty Two and Twenty Six Paise Only
39	54.00	KSRRB M500-6: Providing and applying primer coat for surfaces of medium porosity like cement stabilized soil base @ 1.10 Kg/Sqmt over prepared surface with S.S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all material, labour HOM of machineries complete as per specifications. MORTH specification NO. 502 (Page No. 158, Item No. 21.5, PWD SR 2018-19)	Sqm	46.64	Rupees Forty Six and Sixty Four Paise Only
40	2.70	KSRRB M500-18: Providing and laying bituminous macaduam on prepared surface using crushed aggregates as per design mix formula for base/binding course including loading of aggregates with FE loader, hot mixing of stone aggregates and bitumen in hotl mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. Using 40-60 TPH capacity HMP with mechanical paver grading II (50-75mm) with 3.4% VG-30 bitumen. (Page No. 159, Item No. 21.11.6, PWD SR 2018-19)	Cum	6172.38	Rupees Six Thousand One Hundred Seventy Two and Thirty Eight Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
41	2.16	KSRRB M500-18: Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 508 complete in all respects as per specifications. using 40-60 TPH capacity HMP with mechanical paver grading I (35-40mm) with 4.5% VG-30 Bitumen (Page No. 160, Item No. 21.20.5, PWD SR 2018-19)	Cum	7717.86	Rupees Seven Thousand Seven Hundred Seventeen and Eighty Six Paise Only

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92

Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))

"No ; CORRECTIONS NIL"
"DTS APPROVED"

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ